



U. S. Department of Commerce  
Economics and Statistics Administration  
BUREAU OF THE CENSUS

# Manufacturers' Shipments, Inventories, and Orders

**April 1997**

M3-1-(97)-04

For Wire Transmissions 10:00 a.m. E.D.T. June 4, 1997

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**Note: All figures in text are in seasonally adjusted current dollars**

## Summary

New orders for manufactured goods in April increased \$3.8 billion or 1.2 percent to \$323.9 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.3 percent March decrease and is the third increase in the last four months. Excluding transportation, new orders increased 0.9 percent, following a 1.0 percent March decrease. Year to date, new orders are 5.7 percent above the same period a year ago.

Shipments, up for the fourth consecutive month, increased \$3.8 billion or 1.2 percent to \$325.6 billion, following a 0.1 percent March increase. Year to date, shipments are 6.5 percent above the same period a year ago.

Unfilled orders, down for the second consecutive month, decreased \$1.8 billion or 0.3 percent to \$518.6 billion, following a 0.3 percent March decrease. The unfilled orders-to-shipments ratio was 2.86, down from 2.89 in March.

Inventories, up nine of the last ten months, increased \$2.9 billion or 0.6 percent to \$445.7 billion, following a 0.2 percent March increase. The inventories-to-shipments ratio was 1.37, down from 1.38 in March.

## New Orders

New orders for manufactured durable goods in April increased \$2.3 billion or 1.3 percent to \$175.5 billion, revised from the previously published 1.4 percent increase. This follows a 2.2 percent March decrease and is the third increase in the last four months.

Transportation equipment, up for the first month since January, had the largest increase, \$1.3 billion or 3.4 percent to \$39.0 billion; all component industries except railroad equipment increased. This follows a 3.9 percent March decrease. Industrial machinery and equipment, up for the fifth consecutive month, increased \$0.9 billion or 2.7 percent to \$34.1 billion. This follows a 0.2 percent March increase. Fabricated metal products, up three of the last four months, increased \$0.7 billion or 3.8 percent to \$18.8 billion, following a 1.3 percent March decrease. Primary metals, up five of the last six months, increased \$0.5 billion or 2.9 percent to \$16.5 billion, following a 1.3 percent March increase. Electronic and other electrical equipment, down for the second consecutive month, decreased \$1.6 billion or 5.7 percent to \$27.1 billion, due to electronic components and communication equipment. This follows a 6.1 percent March decrease.

New orders for nondurable goods, up for the first month since January, increased \$1.5 billion or 1.0 percent to \$148.4 billion, following a 0.3 percent March decrease. Chemicals and allied products, apparel and related products, and paper and allied products had the largest increases; printing and publishing had the largest decrease.

## Shipments

Shipments of durable goods in April, up for the fourth consecutive month, increased \$2.1 billion or 1.2 percent to \$177.5 billion, revised from the previously published 1.1 percent increase. This follows a 1.0 percent March increase.

Transportation equipment, up for the fourth consecutive month, had the largest increase, \$1.2 billion or 3.0 percent to \$41.2 billion, with all component industries except railroad equipment increasing. This follows a 0.4 percent March increase. Industrial machinery and equipment, up four of the last five months, increased \$0.5 billion or 1.6 percent to \$33.5 billion,

following a 2.0 percent March increase. Fabricated metal products, up three of the last four months, increased \$0.5 billion or 2.7 percent to \$18.5 billion, following a 0.7 percent March decrease. Primary metals, up six of the last seven months, increased \$0.3 billion or 1.8 percent to \$16.0 billion, following a slight March decrease. Electronic and other electrical equipment, down for the first month since January, decreased \$1.1 billion or 3.6 percent to \$28.5 billion, following a 3.3 percent March increase.

Shipments of nondurable goods, up for the first month since January, increased \$1.8 billion or 1.2 percent to \$148.2 billion. This follows a 0.9 percent March decrease. Chemicals and allied products had the largest increase, \$0.7 billion or 2.3 percent to \$33.0 billion. This follows a 1.0 percent March decrease and is the fourth increase in the last five months.

## Unfilled Orders

Unfilled orders for durable goods in April decreased \$1.9 billion or 0.4 percent to \$493.2 billion, unrevised from the previously published 0.4 percent decrease. This follows a 0.4 percent March decrease and is the second decline since August 1996.

Transportation equipment had the largest decline, \$2.3 billion or 0.9 percent to \$249.8 billion, mostly due to aircraft and parts. This follows a 0.9 percent March decrease and is the third consecutive monthly decline. Electronic and other electrical equipment, down for the second consecutive month, decreased \$1.4 billion or 2.6 percent to \$50.2 billion, following a 1.5 percent March decrease. Industrial machinery and equipment, up for the fourth consecutive month, increased \$0.6 billion or 0.8 percent to \$74.2 billion, following a 0.4 percent March increase. Primary metals, also up for the fourth consecutive month, increased \$0.5 billion or 1.7 percent to \$31.6 billion, following a 1.1 percent March increase. Fabricated metal products, up for the fifteenth consecutive month, increased \$0.3 billion or 1.4 percent to \$24.6 billion, following a 0.6 percent March increase.

## Inventories

Inventories of durable goods in April, up nine of the last ten months, increased \$2.8 billion or 1.0 percent to \$283.2 billion. This follows a 0.3 percent March increase. Transportation equipment, up eleven of the last twelve months, increased \$1.4 billion or 1.9 percent to \$72.5 billion. This follows a 0.5 percent March increase. Industrial machinery and equipment, up for the fourth consecutive month, increased \$0.7 billion or 1.3 percent to \$58.8 billion. This follows a 0.1 percent March increase. Electronic and other electrical equipment, up for the first month since November, increased \$0.5 billion or 1.1 percent to \$41.3 billion, following a 0.2 percent March decline. Fabricated metal products, up for the seventh consecutive month, increased \$0.1 billion or 0.5 percent to \$27.0 billion, following a 1.0 percent March increase. Primary metals, down for the first month since January, decreased \$0.2 billion or 0.7 percent to \$24.0 billion, following a 0.7 percent March increase.

Inventories of nondurable goods, up for the ninth consecutive month, increased \$0.1 billion or 0.1 percent to \$162.4 billion, following a 0.1 percent March increase. Chemicals and allied products had the largest increase; petroleum and coal products had the largest decline.

By stage of fabrication, April finished goods increased 1.9 percent in durables and decreased slightly in nondurables. Work in progress increased 1.0 percent in durables and 0.7 percent in nondurables. Materials and supplies increased 0.2 percent in durables and decreased 0.1 percent in nondurables.

(See Back Page for Upcoming Revisions)

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**Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1997 <sup>P</sup>	Mar. 1997 <sup>T</sup>	Feb. 1997	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1997 <sup>P</sup>	Mar. 1997 <sup>T</sup>	Feb. 1997	Apr. 1996	Apr. 97/96	1997 <sup>P</sup>	1996
All manufacturing industries . . . . .	325,633	321,787	321,419	+1.2	+0.1	+0.9	323,728	336,609	319,329	305,245	+6.1	1,268,012	1,189,650
Manufacturing Industries													
with unfilled orders . . . . .	181,383	180,049	178,645	+0.7	+0.8	+2.4	177,351	191,270	176,676	165,004	+7.5	699,935	656,178
without defense capital goods . . . . .	319,249	315,560	314,986	+1.2	+0.2	+0.8	317,752	330,047	312,870	299,763	+6.0	1,244,065	1,166,886
Durable goods industries . . . . .	177,457	175,397	173,741	+1.2	+1.0	+2.0	176,441	188,591	174,509	162,910	+8.3	690,788	639,368
With unfilled orders . . . . .	145,136	143,966	142,249	+0.8	+1.2	+2.9	141,845	155,126	140,892	129,665	+9.4	559,383	517,010
Stone, clay, and glass products . . . . .	7,524	7,417	7,475	+1.4	-0.8	+3.6	7,710	7,181	6,882	6,911	+11.6	27,976	25,110
Primary metals . . . . .	15,964	15,677	15,680	+1.8	0.0	+0.8	16,472	16,256	16,131	15,382	+7.1	63,676	59,983
Blast furnaces, steel mills . . . . .	6,441	6,361	6,369	+1.3	-0.1	-0.6	6,608	6,547	6,616	6,299	+4.9	25,999	24,763
Iron and steel foundries . . . . .	1,483	1,418	1,436	+4.6	-1.3	+0.1	1,575	1,439	1,490	1,463	+7.7	5,857	5,401
Nonferrous and other primary metals . . . . .	8,040	7,898	7,875	+1.8	+0.3	+2.0	8,289	8,270	8,025	7,620	+8.8	31,820	29,819
Fabricated metal products . . . . .	18,455	17,975	18,096	+2.7	-0.7	+1.6	18,677	18,548	18,220	17,453	+7.0	71,829	67,010
Industrial machinery and equipment . . . . .	33,477	32,944	32,288	+1.6	+2.0	+0.5	32,270	38,771	31,927	29,714	+8.6	130,126	123,622
Engines and turbines . . . . .	1,782	1,694	1,633	+5.2	+3.7	-4.3	1,666	1,943	1,629	1,468	+13.5	6,599	6,687
Farm and garden machinery . . . . .	2,025	1,954	1,845	+3.6	+5.9	-2.1	2,659	2,674	2,213	2,276	+16.8	9,245	8,606
Construction, mining and material handling equipment . . . . .	3,976	3,858	3,771	+3.1	+2.3	+2.6	4,123	4,275	4,024	3,625	+13.7	15,731	14,372
Metalworking machinery . . . . .	3,431	3,403	3,301	+0.8	+3.1	+0.9	3,253	3,675	3,233	2,934	+10.9	12,752	11,721
Computer and office equipment . . . . .	8,966	9,177	8,922	-2.3	+2.9	-1.2	6,904	12,089	7,780	6,536	+5.6	33,594	31,720
Electronic and other electrical equipment . . . . .	28,481	29,546	28,594	-3.6	+3.3	+6.1	26,684	31,596	27,550	24,997	+6.7	109,012	101,179
Electrical transmission and distribution equipment and industrial apparatus . . . . .	3,309	3,147	3,171	+5.1	-0.8	0.0	3,290	3,388	3,236	3,101	+6.1	12,694	12,095
Household appliances . . . . .	2,055	2,098	2,098	-2.0	0.0	+3.9	2,049	2,318	1,988	2,029	+1.0	8,016	7,801
Electric lighting and wiring equipment . . . . .	2,164	2,078	2,090	+4.1	-0.6	+0.9	2,086	2,231	2,183	1,902	+9.7	8,348	7,886
Household audio and video equipment . . . . .	1,328	1,343	1,336	-1.1	+0.5	+2.4	1,070	1,279	1,213	1,105	-3.2	4,600	4,268
Communications equipment . . . . .	6,479	6,666	6,486	-2.8	+2.8	+10.7	5,777	7,416	5,857	5,108	+13.1	23,488	21,062
Electronic components . . . . .	11,070	12,223	11,380	-9.4	+7.4	+9.2	10,483	13,080	11,067	9,906	+5.8	44,199	40,639
Transportation equipment . . . . .	41,241	40,034	39,894	+3.0	+0.4	+0.1	43,109	43,016	42,808	39,798	+8.3	165,139	150,031
Motor vehicles and parts . . . . .	28,122	27,206	27,685	+3.4	-1.7	-1.9	30,083	28,950	30,822	29,095	+3.4	116,924	108,386
Aircraft, missiles, space vehicles, and parts . . . . .	10,422	10,069	9,340	+3.5	+7.8	+2.1	10,220	11,067	9,095	7,713	+32.5	37,429	30,071
Shipbuilding and tanks . . . . .	841	802	800	+4.9	+0.3	+8.8	836	827	831	846	-1.2	3,048	3,245
Instruments and related products . . . . .	13,297	13,209	13,235	+0.7	-0.2	+4.4	12,717	14,124	13,092	11,676	+8.9	51,236	47,940
Search and navigation equipment . . . . .	2,735	2,650	2,656	+3.2	-0.2	+3.2	2,608	2,857	2,730	2,340	+11.5	10,446	9,762
Measuring and controlling devices . . . . .	3,980	3,865	4,017	+3.0	-3.8	+10.1	3,821	4,240	3,986	3,454	+10.6	15,365	14,716
Medical instruments and supplies . . . . .	4,120	4,217	4,176	-2.3	+1.0	+1.8	3,873	4,543	4,142	3,692	+4.9	16,250	15,143
Photographic goods . . . . .	2,013	2,042	1,944	-1.4	+5.0	+2.2	1,951	2,044	1,817	1,806	+8.0	7,433	6,934
All other durable goods . . . . .	19,018	18,595	18,479	+2.3	+0.6	+1.9	18,802	19,099	17,899	16,799	+10.7	71,794	64,493
Nondurable goods industries . . . . .	148,176	146,390	147,678	+1.2	-0.9	-0.3	147,287	148,018	144,820	142,335	+3.5	577,224	550,282
With unfilled orders . . . . .	36,247	36,083	36,396	+0.5	-0.9	+0.7	35,506	36,144	35,784	35,339	+0.5	140,552	139,168
Food and kindred products . . . . .	39,831	39,527	39,242	+0.8	+0.7	-0.6	38,778	39,780	38,116	37,328	+3.9	153,097	147,727
Meat products . . . . .	9,079	9,191	9,092	-1.2	+1.1	+1.7	8,788	9,124	8,810	8,585	+2.4	34,986	34,230
Dairy products . . . . .	4,934	4,994	4,884	-1.2	+2.3	-2.7	4,796	5,063	4,728	4,537	+5.7	19,424	18,361
Beverages . . . . .	5,850	5,804	5,751	+0.8	+0.9	+0.9	5,920	5,757	5,153	5,685	+4.1	21,590	20,856
All other foods, except fats and oils . . . . .	17,804	17,471	17,440	+1.9	+0.2	-1.9	17,110	17,769	17,350	16,549	+3.4	68,752	66,586
Tobacco products . . . . .	2,939	2,998	2,911	-2.0	+3.0	-5.2	2,810	3,183	2,761	2,637	+6.6	11,710	10,546
Textile mill products . . . . .	6,803	6,748	6,765	+0.8	-0.3	+1.0	6,509	7,161	6,609	6,076	+7.1	25,988	24,306
Broadwoven fabrics and other textiles . . . . .	4,112	4,126	4,090	-0.3	+0.9	+1.0	3,980	4,508	4,050	3,764	+5.7	16,085	15,194
Paper and allied products . . . . .	13,419	13,095	13,287	+2.5	-1.4	-0.2	13,156	13,176	13,347	13,296	-1.1	52,416	54,114
Pulp, paper, and paperboard mill products . . . . .	5,430	5,350	5,294	+1.5	+1.1	+1.3	5,300	5,362	5,254	5,345	-0.8	20,887	22,001
Paperboard containers and boxes . . . . .	3,338	3,334	3,401	+0.1	-2.0	-2.0	3,368	3,414	3,433	3,504	-3.9	13,538	14,181
Miscellaneous converted paper products . . . . .	4,651	4,411	4,592	+5.4	-3.9	-0.5	4,488	4,400	4,660	4,447	+0.9	17,991	17,932
Chemicals and allied products . . . . .	33,018	32,286	32,610	+2.3	-1.0	+0.3	34,327	33,837	32,299	31,646	+8.5	131,530	121,203
Industrial chemicals . . . . .	16,336	16,145	16,291	+1.2	-0.9	+2.6	16,810	16,731	16,569	15,590	+7.8	65,234	60,699
Drugs, soaps, and toiletries . . . . .	12,144	11,837	12,043	+2.6	-1.7	-3.1	11,379	12,194	11,499	10,721	+6.1	47,290	43,710
Petroleum and coal products . . . . .	15,194	15,448	16,071	-1.6	-3.9	-3.0	15,254	14,483	15,087	15,837	-3.7	60,087	54,745
Rubber and plastics products . . . . .	12,439	12,100	12,147	+2.8	-0.4	+0.4	12,861	12,576	12,268	12,246	+5.0	48,948	46,876
All other nondurable goods . . . . .	24,533	24,188	24,645	+1.4	-1.9	+0.8	23,592	23,822	24,333	23,269	+1.4	93,448	90,765

<sup>P</sup> Preliminary. <sup>T</sup> Revised.

<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

**Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1997 <sup>p</sup>	Mar. 1997 <sup>r</sup>	Feb. 1997	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1997 <sup>p</sup>	Mar. 1997 <sup>r</sup>	Feb. 1997	Apr. 1996	Apr. 97/96	1997 <sup>p</sup>	1996
All manufacturing industries . . . . .	323,874	320,063	324,369	+1.2	-1.3	+0.4	322,888	335,721	324,898	305,815	+5.6	1,283,086	1,214,610
Manufacturing industries													
with unfilled orders . . . . .	179,624	178,325	181,595	+0.7	-1.8	+1.4	176,511	190,382	182,245	165,574	+6.6	715,009	681,138
without defense capital goods . . . . .	317,693	315,226	318,857	+0.8	-1.1	+0.6	317,516	328,085	319,263	300,762	+5.6	1,259,144	1,186,147
Durable goods industries . . . . .	175,511	173,223	177,075	+1.3	-2.2	+1.0	175,056	186,648	180,302	162,903	+7.5	704,393	663,014
With unfilled orders . . . . .	143,190	141,792	145,583	+1.0	-2.6	+1.6	140,460	153,183	146,685	129,658	+8.3	572,988	540,656
Stone, clay, and glass products . . . . .	7,589	7,513	7,321	+1.0	+2.6	+1.4	7,815	7,201	6,983	6,910	+13.1	28,370	25,441
Primary metals . . . . .	16,484	16,015	15,817	+2.9	+1.3	-0.5	16,887	17,067	17,009	15,361	+9.9	67,543	62,574
Blast furnaces, steel mills . . . . .	6,775	6,293	6,254	+7.7	+0.6	-1.3	6,859	6,435	6,958	6,046	+13.4	27,317	25,778
Iron and steel foundries . . . . .	1,528	1,533	1,489	-0.3	+3.0	-0.5	1,602	1,601	1,679	1,476	+8.5	6,414	5,991
Nonferrous and other primary metals . . . . .	8,181	8,189	8,074	-0.1	+1.4	+0.2	8,426	9,031	8,372	7,839	+7.5	33,812	30,805
Fabricated metal products . . . . .	18,799	18,111	18,343	+3.8	-1.3	+1.8	18,992	18,659	18,674	17,431	+9.0	73,087	67,481
Industrial machinery and equipment . . . . .	34,100	33,211	33,154	+2.7	+0.2	+2.0	32,904	37,825	33,071	29,757	+10.6	132,344	125,057
Engines and turbines . . . . .	1,652	1,810	2,046	-8.7	-11.5	+21.9	1,267	1,694	1,773	1,241	+2.1	5,945	5,732
Construction, mining and material handling equipment . . . . .	4,115	3,932	3,760	+4.7	+4.6	-1.2	4,190	4,462	4,100	3,558	+17.8	16,616	15,147
Metalworking machinery . . . . .	3,649	3,352	3,525	+8.9	-4.9	+1.8	3,471	3,624	3,457	2,848	+21.9	13,333	12,052
Computer and office equipment . . . . .	8,866	8,989	8,806	-1.4	+2.1	-2.4	7,073	11,588	7,904	6,886	+2.7	33,192	31,475
Electronic and other electrical equipment . . . . .	27,123	28,772	30,632	-5.7	-6.1	+7.8	26,110	29,519	30,127	26,202	-0.4	112,518	102,839
Electrical transmission and distribution equipment and industrial apparatus . . . . .	3,360	3,275	3,272	+2.6	+0.1	+1.7	3,315	3,494	3,415	2,984	+11.1	13,248	12,144
Electric lighting and wiring equipment . . . . .	2,277	1,989	2,038	+14.5	-2.4	-6.6	2,199	2,142	2,131	1,938	+13.5	8,430	8,105
Communications equipment . . . . .	6,523	6,990	7,499	-6.7	-6.8	+22.9	5,833	7,751	6,908	5,232	+11.5	25,135	22,445
Electronic components . . . . .	9,404	10,953	12,294	-14.1	-10.9	+8.6	9,645	10,733	12,407	11,130	-13.3	44,651	40,303
Transportation equipment . . . . .	38,953	37,673	39,213	+3.4	-3.9	-7.2	40,661	42,907	42,263	38,294	+6.2	165,201	165,665
Aircraft, missiles, space vehicles, and parts . . . . .	8,545	7,571	9,294	+12.9	-18.5	-19.4	8,271	10,771	9,052	6,878	+20.3	37,910	46,098
Shipbuilding and tanks . . . . .	743	536	325	+38.6	+64.9	-50.8	756	589	394	442	+71.0	2,296	3,292
Instruments and related products . . . . .	13,288	13,311	14,056	-0.2	-5.3	+5.9	12,346	14,189	14,096	11,537	+7.0	52,564	48,218
Search and navigation equipment . . . . .	2,566	2,799	3,398	-8.3	-17.6	+36.2	2,098	3,257	3,528	2,144	-2.1	10,916	9,782
Measuring and controlling devices . . . . .	3,918	3,862	3,997	+1.5	-3.4	+2.5	3,759	4,237	3,966	3,486	+7.8	15,532	14,837
Medical instruments and supplies . . . . .	4,309	4,123	4,149	+4.5	-0.6	-8.0	4,082	4,022	4,190	3,727	+9.5	16,588	15,061
All other durable goods . . . . .	19,175	18,617	18,539	+3.0	+0.4	+4.3	19,341	19,281	18,079	17,411	+11.1	72,766	65,739
Nondurable goods industries . . . . .	148,363	146,840	147,294	+1.0	-0.3	-0.4	147,832	149,073	144,596	142,912	+3.4	578,693	551,596
With unfilled orders . . . . .	36,434	36,533	36,012	-0.3	+1.4	+0.6	36,051	37,199	35,560	35,916	+0.4	142,021	140,482

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95) "Manufacturers' Shipments, Inventories, and Orders: 1982-1995."

**Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Apr. 97/96
	Apr. 1997 <sup>p</sup>	Mar. 1997 <sup>r</sup>	Feb. 1997	Mar.- Apr.	Feb.- Mar.	Jan.- Feb.	Apr. 1997 <sup>p</sup>	Mar. 1997 <sup>r</sup>	Feb. 1997	Apr. 1996	
All manufacturing industries . . . . .	518,577	520,336	522,060	-0.3	-0.3	+0.6	523,837	524,677	525,565	499,435	+4.9
Manufacturing industries without defense capital goods . . . . .	410,653	412,209	412,543	-0.4	-0.1	+0.9	413,504	413,740	415,702	390,625	+5.9
Durable goods industries . . . . .	493,185	495,131	497,305	-0.4	-0.4	+0.7	498,020	499,405	501,348	475,361	+4.8
Stone, clay, and glass products . . . . .	6,778	6,713	6,617	+1.0	+1.5	-2.3	6,898	6,793	6,773	7,093	-2.7
Primary metals . . . . .	31,595	31,075	30,737	+1.7	+1.1	+0.4	33,082	32,667	31,856	30,866	+7.2
Blast furnaces, steel mills . . . . .	12,518	12,184	12,252	+2.7	-0.6	-0.9	13,069	12,818	12,930	12,693	+3.0
Iron and steel foundries . . . . .	4,705	4,660	4,545	+1.0	+2.5	+1.2	4,879	4,852	4,690	4,160	+17.3
Nonferrous and other primary metals . . . . .	14,372	14,231	13,940	+1.0	+2.1	+1.4	15,134	14,997	14,236	14,013	+8.0
Fabricated metal products . . . . .	24,601	24,257	24,121	+1.4	+0.6	+1.0	24,641	24,326	24,215	21,792	+13.1
Industrial machinery and equipment . . . . .	74,177	73,554	73,287	+0.8	+0.4	+1.2	74,189	73,555	74,501	71,999	+3.0
Engines and turbines . . . . .	11,677	11,807	11,691	-1.1	+1.0	+3.7	11,159	11,558	11,807	10,480	+6.5
Construction, mining and material handling equipment . . . . .	9,497	9,358	9,284	+1.5	+0.8	-0.1	9,839	9,772	9,585	9,458	+4.0
Metalworking machinery . . . . .	9,094	8,876	8,927	+2.5	-0.6	+2.6	9,094	8,876	8,927	8,798	+3.4
Computer and office equipment . . . . .	9,960	10,060	10,248	-1.0	-1.8	-1.1	9,721	9,552	10,053	9,531	+2.0
Electronic and other electrical equipment . . . . .	50,189	51,547	52,321	-2.6	-1.5	+4.1	50,707	51,281	53,358	50,645	+0.1
Electrical transmission and distribution equipment and industrial apparatus . . . . .	6,771	6,720	6,592	+0.8	+1.9	+1.6	6,838	6,813	6,707	6,110	+11.9
Electric lighting and wiring equipment . . . . .	4,551	4,438	4,527	+2.5	-2.0	-1.1	4,551	4,438	4,527	4,149	+9.7
Communications equipment . . . . .	14,951	14,907	14,583	+0.3	+2.2	+7.5	14,967	14,911	14,576	15,887	-5.8
Electronic components . . . . .	19,269	20,935	22,205	-8.0	-5.7	+4.3	19,712	20,550	22,897	20,455	-3.6
Transportation equipment . . . . .	249,754	252,042	254,403	-0.9	-0.9	-0.3	252,128	254,576	254,685	236,795	+6.5
Aircraft, missiles, space vehicles, and parts . . . . .	219,404	221,281	223,779	-0.8	-1.1	0.0	221,593	223,542	223,838	207,081	+7.0
Shipbuilding and tanks . . . . .	17,155	17,253	17,519	-0.6	-1.5	-2.6	17,162	17,242	17,480	17,034	+0.8
Instruments and related products . . . . .	48,541	48,550	48,448	0.0	+0.2	+1.7	48,702	49,073	49,008	48,427	+0.6
Search and navigation equipment . . . . .	28,858	29,027	28,878	-0.6	+0.5	+2.6	29,062	29,572	29,172	29,813	-2.5
Measuring and controlling devices . . . . .	10,295	10,357	10,360	-0.6	0.0	-0.2	10,295	10,357	10,360	10,225	+0.7
Medical instruments and supplies . . . . .	8,086	7,897	7,991	+2.4	-1.2	-0.3	7,949	7,740	8,261	7,419	+7.1
All other durable goods . . . . .	7,550	7,393	7,371	+2.1	+0.3	+0.8	7,673	7,134	6,952	7,744	-0.9
Nondurable goods industries . . . . .	25,392	25,205	24,755	+0.7	+1.8	-1.5	25,817	25,272	24,217	24,074	+7.2

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

See note at end of table 2 relating to survey error and revision.

**Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Apr. 97/96
	Apr. 1997 <sup>p</sup>	Mar. 1997 <sup>r</sup>	Feb. 1997	Mar.- Apr.	Feb.- Mar.	Jan.- Feb.	Apr. 1997 <sup>p</sup>	Mar. 1997 <sup>r</sup>	Feb. 1997	Apr. 1996	
All manufacturing industries . . . . .	445,677	442,806	441,908	+0.6	+0.2	+0.4	448,198	442,192	445,350	437,183	+2.5
Manufacturing industries with unfilled orders . . . . .	300,170	297,586	296,749	+0.9	+0.3	+0.5	302,087	296,115	298,342	293,901	+2.8
without defense capital goods . . . . .	427,216	424,436	423,249	+0.7	+0.3	+0.6	429,765	423,999	426,903	417,920	+2.8
Durable goods industries . . . . .	283,241	280,473	279,684	+1.0	+0.3	+0.5	284,726	279,527	282,346	274,868	+3.6
With unfilled orders . . . . .	260,765	258,199	257,400	+1.0	+0.3	+0.5	262,167	256,726	259,086	252,620	+3.8
Stone, clay, and glass products . . . . .	8,519	8,505	8,526	+0.2	-0.2	+0.2	8,747	8,691	8,722	8,573	+2.0
Primary metals . . . . .	24,038	24,201	24,042	-0.7	+0.7	+0.4	24,059	24,197	24,101	23,710	+1.5
Blast furnaces, steel mills . . . . .	12,114	12,187	12,062	-0.6	+1.0	+0.2	11,920	12,028	12,128	11,471	+3.9
Iron and steel foundries . . . . .	1,505	1,507	1,512	-0.1	-0.3	+0.9	1,553	1,550	1,525	1,482	+4.8
Nonferrous and other primary metals . . . . .	10,419	10,507	10,468	-0.8	+0.4	+0.5	10,586	10,619	10,448	10,757	-1.6
Fabricated metal products . . . . .	26,954	26,813	26,549	+0.5	+1.0	+0.7	27,339	27,077	26,707	26,372	+3.7
Industrial machinery and equipment . . . . .	58,835	58,099	58,039	+1.3	+0.1	+0.3	59,262	57,445	59,039	59,854	-1.0
Engines and turbines . . . . .	3,866	3,803	3,840	+1.7	-1.0	+0.4	3,802	3,654	3,747	3,730	+1.9
Farm and garden machinery . . . . .	2,983	2,932	2,939	+1.7	-0.2	+2.2	3,016	3,117	3,277	2,931	+2.9
Construction, mining and material handling equipment . . . . .	7,383	7,323	7,341	+0.8	-0.2	-0.2	7,509	7,425	7,451	7,245	+3.6
Metalworking machinery . . . . .	7,423	7,311	7,163	+1.5	+2.1	+2.3	7,438	7,189	7,137	7,022	+5.9
Computer and office equipment . . . . .	11,827	11,805	11,839	+0.2	-0.3	+1.0	11,910	11,114	12,237	13,814	-13.8
Electronic and other electrical equipment . . . . .	41,263	40,806	40,897	+1.1	-0.2	0.0	41,674	40,327	40,948	41,350	+0.8
Electrical transmission and distribution equipment and industrial apparatus . . . . .	4,895	4,855	4,864	+0.8	-0.2	+0.5	4,906	4,817	4,870	4,772	+2.8
Household appliances . . . . .	2,773	2,686	2,727	+3.2	-1.5	-0.7	2,959	2,799	2,869	2,803	+5.6
Electric lighting and wiring equipment . . . . .	3,396	3,353	3,347	+1.3	+0.2	+0.4	3,437	3,335	3,356	3,398	+1.1
Household audio and video equipment . . . . .	1,440	1,470	1,532	-2.0	-4.0	-2.4	1,427	1,410	1,504	1,616	-11.7
Communications equipment . . . . .	11,443	11,392	11,346	+0.4	+0.4	+0.2	11,696	11,222	11,394	11,079	+5.6
Electronic components . . . . .	13,734	13,507	13,538	+1.7	-0.2	0.0	13,610	13,211	13,471	14,043	-3.1
Transportation equipment . . . . .	72,510	71,133	70,785	+1.9	+0.5	+1.2	72,454	71,127	71,644	65,329	+10.9
Motor vehicles and parts . . . . .	16,168	16,001	15,899	+1.0	+0.6	+1.3	16,207	16,052	16,100	15,727	+3.1
Aircraft, missiles, space vehicles, and parts . . . . .	51,309	50,257	49,929	+2.1	+0.7	+1.4	51,188	50,110	50,461	44,563	+14.9
Shipbuilding and tanks . . . . .	1,886	1,892	1,895	-0.3	-0.2	-0.5	1,916	1,924	1,927	1,848	+3.7
Instruments and related products . . . . .	25,290	25,193	25,214	+0.4	-0.1	-0.2	25,414	24,918	25,093	24,759	+2.6
Search and navigation equipment . . . . .	6,845	6,845	6,838	0.0	+0.1	-0.5	6,899	6,730	6,827	6,582	+4.8
Measuring and controlling devices . . . . .	8,133	8,070	8,080	+0.8	-0.1	-0.6	8,182	8,043	8,064	7,931	+3.2
Medical instruments and supplies . . . . .	7,634	7,613	7,598	+0.3	+0.2	+0.1	7,634	7,507	7,571	7,220	+5.7
Photographic goods . . . . .	2,029	2,015	2,047	+0.7	-1.6	+1.2	2,043	1,989	1,984	2,391	-14.6
All other durable goods . . . . .	25,832	25,723	25,632	+0.4	+0.4	0.0	25,777	25,745	26,092	24,921	+3.4
Nondurable goods industries . . . . .	162,436	162,333	162,224	+0.1	+0.1	+0.4	163,472	162,665	163,004	162,315	+0.7
With unfilled orders . . . . .	39,405	39,387	39,349	0.0	+0.1	+0.5	39,920	39,389	39,256	41,281	-3.3
Food and kindred products . . . . .	33,362	33,410	33,386	-0.1	+0.1	+0.9	32,698	33,134	33,527	32,695	0.0
Meat products . . . . .	4,090	4,017	3,975	+1.8	+1.1	+0.2	4,205	4,079	4,040	4,201	+0.1
Dairy products . . . . .	3,057	3,004	2,928	+1.8	+2.6	+5.7	3,115	2,929	2,837	2,714	+14.8
Beverages . . . . .	6,254	6,212	6,283	+0.7	-1.1	+0.2	6,279	6,226	6,286	6,238	+0.7
All other foods, except fats and oils . . . . .	17,877	17,940	17,947	-0.4	0.0	+0.5	16,965	17,516	17,942	17,360	-2.3
Tobacco products . . . . .	6,047	5,972	5,970	+1.3	0.0	-0.9	5,987	6,044	6,454	5,531	+8.2
Textile mill products . . . . .	10,211	10,127	10,061	+0.8	+0.7	-0.4	10,497	10,172	10,198	10,390	+1.0
Broadwoven fabrics and other textiles . . . . .	6,018	5,983	5,987	+0.6	-0.1	-0.9	6,162	5,988	6,088	6,187	-0.4
Paper and allied products . . . . .	16,184	16,313	16,226	-0.8	+0.5	-1.0	16,427	16,500	16,383	17,499	-6.1
Pulp, paper, and paperboard mill products . . . . .	6,634	6,653	6,696	-0.3	-0.6	-0.5	6,714	6,749	6,839	7,267	-7.6
Paperboard containers and boxes . . . . .	4,018	4,104	4,005	-2.1	+2.5	-0.7	4,070	4,153	4,056	4,363	-6.7
Miscellaneous converted paper products . . . . .	5,532	5,556	5,525	-0.4	+0.6	-1.8	5,643	5,598	5,488	5,869	-3.9
Chemicals and allied products . . . . .	40,279	40,104	40,134	+0.4	-0.1	+0.7	40,733	40,472	40,554	39,561	+3.0
Industrial chemicals . . . . .	19,282	19,354	19,360	-0.4	0.0	+0.3	19,263	19,443	19,611	18,927	+1.8
Drugs, soaps, and toiletries . . . . .	16,016	15,670	15,662	+2.2	+0.1	+1.3	16,208	15,514	15,465	15,424	+5.1
Petroleum and coal products . . . . .	12,836	13,063	13,068	-1.7	0.0	-1.2	13,004	12,949	12,731	12,527	+3.8
Rubber and plastics products . . . . .	15,978	15,920	15,847	+0.4	+0.5	+0.3	16,308	16,308	16,243	15,466	+5.4
All other nondurable goods . . . . .	27,539	27,424	27,532	+0.4	-0.4	+1.5	27,818	27,086	26,914	28,646	-2.9

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

See note at end of table 2 relating to survey error and revision.

**Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS  
FOR TOPICAL SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted <sup>2</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1997 <sup>p</sup>	Mar. 1997 <sup>r</sup>	Feb. 1997	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1997 <sup>p</sup>	Mar. 1997 <sup>r</sup>	Feb. 1997	Apr. 1996	Apr. 97/96	1997 <sup>p</sup>	1996
<b>SHIPMENTS</b>													
All manufacturing industries . . . . .	325,633	321,787	321,419	+1.2	+0.1	+0.9	323,728	336,609	319,329	305,245	+6.1	1,268,012	1,189,650
Market categories :													
Automotive equipment . . . . .	14,091	13,734	13,961	+2.6	-1.6	-1.9	15,061	14,694	15,332	14,886	+1.2	58,526	55,303
Home goods and apparel . . . . .	19,518	18,958	19,326	+3.0	-1.9	+1.8	18,326	19,835	19,061	17,306	+5.9	73,122	68,797
Consumer staples . . . . .	67,437	67,070	67,413	+0.5	-0.5	-1.6	65,377	67,156	64,873	63,675	+2.7	261,411	248,096
Machinery and equipment . . . . .	59,232	58,920	57,146	+0.5	+3.1	+2.1	57,782	66,171	56,677	52,570	+9.9	227,982	209,905
Business supplies . . . . .	25,422	25,213	25,493	+0.8	-1.1	+0.6	26,156	25,371	25,126	25,405	+3.0	99,924	94,814
Construction materials and supplies . . . . .	20,614	20,006	20,093	+3.0	-0.4	+1.4	20,707	19,943	19,206	18,834	+9.9	77,240	70,881
Defense products . . . . .	6,715	6,605	6,779	+1.7	-2.6	+6.4	6,370	6,959	6,863	5,875	+8.4	25,510	24,237
Other materials, supplies and intermediate products . . . . .	112,604	111,281	111,208	+1.2	+0.1	+1.7	113,949	116,480	112,191	106,694	+6.8	444,297	417,617
Durable goods industries :													
Nondefense capital goods <sup>3</sup> . . . . .	46,211	45,787	44,148	+0.9	+3.7	+2.4	43,442	52,639	42,494	38,743	+12.1	173,596	159,884
Excluding aircraft and parts . . . . .	39,273	39,220	38,344	+0.1	+2.3	+2.9	36,464	45,249	36,899	33,956	+7.4	149,190	141,788
Defense capital goods <sup>4</sup> . . . . .	6,384	6,227	6,433	+2.5	-3.2	+6.1	5,976	6,562	6,459	5,482	+9.0	23,947	22,764
Durables excluding capital goods . . . . .	124,862	123,383	123,160	+1.2	+0.2	+1.7	127,023	129,390	125,556	118,685	+7.0	493,245	456,720
Miscellaneous series :													
Producers' durable equipment . . . . .	113,321	111,704	110,592	+1.4	+1.0	+1.7	112,772	122,729	112,307	104,426	+8.0	443,870	411,722
Household durable goods . . . . .	9,655	9,670	9,657	-0.2	+0.1	+4.4	9,184	10,500	9,254	8,677	+5.8	36,693	33,930
Information technology industries . . . . .	22,086	22,411	21,944	-1.5	+2.1	+4.4	19,133	26,542	20,065	17,484	+9.4	82,437	76,597
Health care equipment and products . . . . .	10,729	10,661	10,729	+0.6	-0.6	-1.2	10,081	11,182	10,412	9,538	+5.7	42,002	38,941
<b>NEW ORDERS</b>													
All manufacturing industries . . . . .	323,874	320,063	324,369	+1.2	-1.3	+0.4	322,888	335,721	324,898	305,815	+5.6	1,283,086	1,214,610
Market categories :													
Automotive equipment . . . . .	14,097	13,769	13,985	+2.4	-1.5	-2.0	15,051	14,718	15,368	14,863	+1.3	58,717	55,339
Home goods and apparel . . . . .	19,441	18,758	19,164	+3.6	-2.1	+4.9	18,536	19,876	19,258	17,749	+4.4	73,997	71,157
Consumer staples . . . . .	67,505	67,285	67,161	+0.3	+0.2	-2.0	65,469	67,287	64,539	63,728	+2.7	261,347	248,026
Machinery and equipment . . . . .	57,990	58,595	59,874	-1.0	-2.1	+1.9	57,003	64,845	60,080	51,917	+9.8	233,443	223,512
Business supplies . . . . .	25,493	25,416	25,307	+0.3	+0.4	0.0	26,335	25,611	24,889	25,666	+2.6	100,132	94,961
Construction materials and supplies . . . . .	20,913	20,024	19,957	+4.4	+0.3	-0.3	21,062	19,967	19,336	18,817	+11.9	78,127	71,482
Defense products . . . . .	6,579	5,153	5,787	+27.7	-11.0	-10.1	5,778	7,915	5,922	5,433	+6.4	25,031	29,683
Other materials, supplies and intermediate products . . . . .	111,856	111,063	113,134	+0.7	-1.8	+1.4	113,654	115,502	115,506	107,642	+5.6	452,292	420,450
Durable goods industries :													
Nondefense capital goods <sup>3</sup> . . . . .	44,623	45,527	46,911	-2.0	-3.0	+2.4	41,952	51,282	45,630	37,692	+11.3	177,879	173,127
Excluding aircraft and parts . . . . .	39,590	40,244	40,609	-1.6	-0.9	+7.2	36,879	45,176	39,537	33,944	+8.6	154,074	145,076
Defense capital goods <sup>4</sup> . . . . .	6,181	4,837	5,512	+27.8	-12.2	-11.1	5,372	7,636	5,635	5,053	+6.3	23,942	28,463
Durables excluding capital goods . . . . .	124,707	122,859	124,652	+1.5	-1.4	+1.1	127,732	127,730	129,037	120,158	+6.3	502,572	461,424
Miscellaneous series :													
Producers' durable equipment . . . . .	112,452	111,759	113,643	+0.6	-1.7	+1.9	112,215	121,240	116,225	103,714	+8.2	451,399	425,349
Household durable goods . . . . .	9,678	9,609	9,767	+0.7	-1.6	+9.9	9,344	10,430	9,455	8,938	+4.5	37,383	35,122
Information technology industries . . . . .	21,940	22,726	23,464	-3.5	-3.1	+8.7	19,234	26,568	21,844	18,072	+6.4	84,709	77,979
Health care equipment and products . . . . .	10,920	10,568	10,702	+3.3	-1.3	-5.0	10,293	10,663	10,461	9,574	+7.5	42,345	38,860

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Topical series are regroupings of the separate industry categories.

<sup>2</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

<sup>3</sup> Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

<sup>4</sup> Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

**Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES  
FOR TOPICAL SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Apr. 97/96
	Apr. 1997 <sup>p</sup>	Mar. 1997 <sup>r</sup>	Feb. 1997	Mar.- Apr.	Feb.- Mar.	Jan.- Feb.	Apr. 1997 <sup>p</sup>	Mar. 1997 <sup>r</sup>	Feb. 1997	Apr. 1996	
UNFILLED ORDERS											
All manufacturing industries . . . . .	518,577	520,336	522,060	-0.3	-0.3	+0.6	523,837	524,677	525,565	499,435	+4.9
Market categories :											
Automotive equipment . . . . .	2,031	2,025	1,989	+0.3	+1.8	+1.2	2,065	2,075	2,052	1,954	+5.7
Home goods and apparel . . . . .	8,153	8,231	8,430	-0.9	-2.4	-1.9	8,496	8,285	8,244	9,970	-14.8
Consumer staples . . . . .	2,166	2,099	1,884	+3.2	+11.4	-11.8	2,035	1,943	1,812	1,755	+16.0
Machinery and equipment . . . . .	233,742	234,984	235,309	-0.5	-0.1	+1.2	234,251	235,031	236,357	222,467	+5.3
Business supplies . . . . .	6,670	6,599	6,396	+1.1	+3.2	-2.8	6,695	6,516	6,277	6,383	+4.9
Construction materials and supplies . . . . .	16,607	16,307	16,289	+1.8	+0.1	-0.8	16,807	16,452	16,428	15,878	+5.9
Defense products . . . . .	102,884	103,020	104,471	-0.1	-1.4	-0.9	105,166	105,758	104,802	103,817	+1.3
Other materials, supplies and and intermediate products . . . . .	146,324	147,071	147,292	-0.5	-0.2	+1.3	148,322	148,617	149,593	137,211	+8.1
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	254,224	255,812	256,072	-0.6	-0.1	+1.1	254,381	255,871	257,228	240,417	+5.8
Excluding aircraft and parts . . . . .	100,071	99,754	98,730	+0.3	+1.0	+2.3	100,228	99,813	99,886	98,612	+1.6
Defense capital goods <sup>4</sup> . . . . .	107,924	108,127	109,517	-0.2	-1.3	-0.8	110,333	110,937	109,863	108,810	+1.4
Durables excluding capital goods . . . . .	131,037	131,192	131,716	-0.1	-0.4	+1.1	133,306	132,597	134,257	126,134	+5.7
Miscellaneous series :											
Producers' durable equipment . . . . .	267,648	268,517	268,462	-0.3	0.0	+1.1	267,996	268,553	270,042	255,971	+4.7
Household durable goods . . . . .	5,397	5,374	5,435	+0.4	-1.1	+2.1	5,499	5,339	5,409	6,166	-10.8
Information technology industries . . . . .	39,249	39,395	39,080	-0.4	+0.8	+4.0	39,008	38,907	38,881	39,625	-1.6
Health care equipment and products . . . . .	8,121	7,931	8,023	+2.4	-1.1	-0.3	7,984	7,772	8,292	7,446	+7.2
TOTAL INVENTORIES											
All manufacturing industries . . . . .	445,677	442,806	441,908	+0.6	+0.2	+0.4	448,198	442,192	445,350	437,183	+2.5
Market categories :											
Automotive equipment . . . . .	8,173	8,032	7,995	+1.8	+0.5	+0.8	8,248	8,155	8,175	8,056	+2.4
Home goods and apparel . . . . .	32,294	32,108	32,101	+0.6	0.0	-0.1	32,807	31,983	32,101	32,678	+0.4
Consumer staples . . . . .	65,874	65,513	65,464	+0.6	+0.1	+0.8	65,548	65,016	65,531	64,181	+2.1
Machinery and equipment . . . . .	116,997	115,173	114,575	+1.6	+0.5	+1.1	117,763	114,381	116,340	110,012	+7.0
Business supplies . . . . .	26,192	26,238	26,211	-0.2	+0.1	+0.4	26,540	26,301	26,091	26,483	+0.2
Construction materials and supplies . . . . .	26,437	26,336	26,275	+0.4	+0.2	+0.2	26,781	26,667	26,671	26,121	+2.5
Defense products . . . . .	18,366	18,233	18,505	+0.7	-1.5	-2.2	18,342	18,078	18,323	19,022	-3.6
Other materials, supplies and and intermediate products . . . . .	151,344	151,173	150,782	+0.1	+0.3	+0.2	152,169	151,611	152,118	150,630	+1.0
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	110,954	109,256	108,672	+1.6	+0.5	+1.2	111,648	108,167	110,137	104,105	+7.2
Excluding aircraft and parts . . . . .	71,322	70,578	70,587	+1.1	0.0	+0.2	72,100	69,514	71,294	72,549	-0.6
Defense capital goods <sup>4</sup> . . . . .	18,461	18,370	18,659	+0.5	-1.5	-2.3	18,433	18,193	18,447	19,263	-4.3
Durables excluding capital goods . . . . .	153,826	152,847	152,353	+0.6	+0.3	+0.3	154,645	153,167	153,762	151,500	+2.1
Miscellaneous series :											
Producers' durable equipment . . . . .	185,015	182,510	181,579	+1.4	+0.5	+0.7	186,328	181,665	183,843	176,948	+5.3
Household durable goods . . . . .	15,649	15,549	15,563	+0.6	-0.1	-0.5	15,827	15,518	15,775	15,379	+2.9
Information technology industries . . . . .	35,683	35,545	35,565	+0.4	-0.1	+0.3	36,139	34,619	35,938	37,584	-3.8
Health care equipment and products . . . . .	16,336	16,131	16,111	+1.3	+0.1	+0.7	16,440	15,945	15,982	15,602	+5.4

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

**Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION,  
BY INDUSTRY GROUP**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Apr. 97/96
	Apr. 1997 <sup>p</sup>	Mar. 1997 <sup>r</sup>	Feb. 1997	Mar.- Apr.	Feb.- Mar.	Jan.- Feb.	Apr. 1997 <sup>p</sup>	Mar. 1997 <sup>r</sup>	Feb. 1997	Apr. 1996	
MATERIALS AND SUPPLIES											
All manufacturing industries . . . . .	144,035	143,933	143,127	+0.1	+0.6	+0.4	143,660	143,052	143,640	145,003	-0.9
Durable goods industries . . . . .	83,424	83,263	82,365	+0.2	+1.1	+0.1	82,646	82,119	82,597	83,332	-0.8
Stone, clay, and glass products . . . . .	2,861	2,822	2,830	+1.4	-0.3	+0.5	2,828	2,793	2,838	2,739	+3.2
Primary metals . . . . .	7,943	7,945	7,912	0.0	+0.4	+1.1	7,709	7,716	7,889	7,328	+5.2
Fabricated metal products . . . . .	9,956	9,947	9,839	+0.1	+1.1	+0.1	9,896	9,913	9,846	9,670	+2.3
Industrial machinery and equipment . . . . .	16,708	16,974	16,751	-1.6	+1.3	+0.7	16,546	16,563	16,866	17,920	-7.7
Electronic and other . . . . .											
electrical equipment . . . . .	14,489	14,384	13,955	+0.7	+3.1	-0.3	14,529	14,231	13,829	15,073	-3.6
Transportation equipment . . . . .	12,946	12,778	12,758	+1.3	+0.2	-0.9	13,011	12,779	12,870	12,750	+2.0
Instruments and related products . . . . .	7,997	7,982	7,929	+0.2	+0.7	+0.5	8,025	7,939	7,876	7,766	+3.3
Lumber, furniture and . . . . .											
miscellaneous durable goods . . . . .	10,524	10,431	10,391	+0.9	+0.4	-0.1	10,102	10,185	10,583	10,086	+0.2
Nondurable goods industries . . . . .	60,611	60,670	60,762	-0.1	-0.2	+0.8	61,014	60,933	61,043	61,671	-1.1
Food and kindred products . . . . .	11,347	11,477	11,608	-1.1	-1.1	+1.1	11,324	11,613	11,788	11,796	-4.0
Tobacco products . . . . .	4,964	4,876	4,831	+1.8	+0.9	-0.1	5,059	5,040	5,146	4,679	+8.1
Textile mill products . . . . .	3,224	3,227	3,162	-0.1	+2.1	+1.4	3,278	3,254	3,217	2,994	+9.5
Paper and allied products . . . . .	7,695	7,743	7,731	-0.6	+0.2	-0.6	7,719	7,765	7,770	8,320	-7.2
Chemicals and allied products . . . . .	13,346	13,309	13,331	+0.3	-0.2	+1.4	13,395	13,270	13,285	12,992	+3.1
Petroleum and coal products . . . . .	4,375	4,456	4,458	-1.8	0.0	-1.0	4,514	4,467	4,301	4,369	+3.3
Rubber and plastics products . . . . .	5,938	5,919	5,927	+0.3	-0.1	-1.0	5,985	5,945	5,967	5,825	+2.7
Apparel, printing and publishing . . . . .											
and leather goods . . . . .	9,722	9,663	9,714	+0.6	-0.5	+3.0	9,740	9,579	9,569	10,696	-8.9
WORK IN PROCESS											
All manufacturing industries . . . . .	150,434	149,074	148,417	+0.9	+0.4	+0.6	150,573	148,495	149,040	143,188	+5.2
Durable goods industries . . . . .	123,674	122,502	121,911	+1.0	+0.5	+0.5	123,906	122,123	122,667	117,399	+5.5
Stone, clay, and glass products . . . . .	1,230	1,261	1,281	-2.5	-1.6	+1.3	1,293	1,345	1,342	1,296	-0.2
Primary metals . . . . .	8,984	9,007	8,981	-0.3	+0.3	+0.1	9,043	9,079	8,955	9,096	-0.6
Fabricated metal products . . . . .	7,420	7,353	7,329	+0.9	+0.3	+1.2	7,472	7,350	7,305	7,496	-0.3
Industrial machinery and equipment . . . . .	24,320	23,924	23,580	+1.7	+1.5	-0.7	24,423	23,633	23,812	24,093	+1.4
Electronic and other . . . . .											
electrical equipment . . . . .	14,913	14,987	15,165	-0.5	-1.2	+0.3	15,014	14,977	15,225	15,114	-0.7
Transportation equipment . . . . .	51,130	50,273	49,812	+1.7	+0.9	+1.5	50,824	50,128	50,248	44,632	+13.9
Instruments and related products . . . . .	11,201	11,185	11,258	+0.1	-0.6	-1.1	11,306	11,070	11,261	11,048	+2.3
Lumber, furniture and . . . . .											
miscellaneous durable goods . . . . .	4,476	4,512	4,505	-0.8	+0.2	+0.2	4,531	4,541	4,519	4,624	-2.0
Nondurable goods industries . . . . .	26,760	26,572	26,506	+0.7	+0.2	+0.9	26,667	26,372	26,373	25,789	+3.4
Food and kindred products . . . . .	4,687	4,570	4,634	+2.6	-1.4	+1.3	4,480	4,491	4,636	4,257	+5.2
Tobacco products . . . . .	274	299	290	-8.4	+3.1	+16.9	207	259	275	203	+2.0
Textile mill products . . . . .	2,691	2,643	2,663	+1.8	-0.8	+0.4	2,731	2,647	2,667	2,844	-4.0
Paper and allied products . . . . .	1,767	1,776	1,772	-0.5	+0.2	-0.4	1,790	1,778	1,769	1,781	+0.5
Chemicals and allied products . . . . .	7,196	7,046	6,894	+2.1	+2.2	+1.0	7,194	6,997	6,891	6,740	+6.7
Petroleum and coal products . . . . .	2,581	2,667	2,695	-3.2	-1.0	-1.2	2,601	2,663	2,630	2,520	+3.2
Rubber and plastics products . . . . .	2,140	2,144	2,106	-0.2	+1.8	+2.7	2,131	2,149	2,158	2,017	+5.7
Apparel, printing and publishing . . . . .											
and leather goods . . . . .	5,424	5,427	5,452	-0.1	-0.5	+0.6	5,533	5,388	5,347	5,427	+2.0
FINISHED GOODS											
All manufacturing industries . . . . .	151,208	149,799	150,364	+0.9	-0.4	+0.3	153,965	150,645	152,670	148,992	+3.3
Durable goods industries . . . . .	76,143	74,708	75,408	+1.9	-0.9	+0.8	78,174	75,285	77,082	74,137	+5.4
Stone, clay, and glass products . . . . .	4,428	4,422	4,415	+0.1	+0.2	-0.3	4,626	4,553	4,542	4,538	+1.9
Primary metals . . . . .	7,111	7,249	7,149	-1.9	+1.4	0.0	7,307	7,402	7,257	7,286	+0.3
Fabricated metal products . . . . .	9,578	9,513	9,381	+0.7	+1.4	+0.9	9,971	9,814	9,556	9,206	+8.3
Industrial machinery and equipment . . . . .	17,807	17,201	17,708	+3.5	-2.9	+1.4	18,293	17,249	18,361	17,841	+2.5
Electronic and other . . . . .											
electrical equipment . . . . .	11,861	11,435	11,777	+3.7	-2.9	0.0	12,131	11,119	11,894	11,163	+8.7
Transportation equipment . . . . .	8,434	8,082	8,215	+4.4	-1.6	+3.0	8,619	8,220	8,526	7,947	+8.5
Instruments and related products . . . . .	6,092	6,026	6,027	+1.1	0.0	+0.8	6,083	5,909	5,956	5,945	+2.3
Lumber, furniture and . . . . .											
miscellaneous durable goods . . . . .	10,832	10,780	10,736	+0.5	+0.4	+0.1	11,144	11,019	10,990	10,211	+9.1
Nondurable goods industries . . . . .	75,065	75,091	74,956	0.0	+0.2	-0.1	75,791	75,360	75,588	74,855	+1.3
Food and kindred products . . . . .	17,328	17,363	17,144	-0.2	+1.3	+0.6	16,894	17,030	17,103	16,642	+1.5
Tobacco products . . . . .	809	797	849	+1.5	-6.1	-10.1	721	745	1,033	649	+11.1
Textile mill products . . . . .	4,296	4,257	4,236	+0.9	+0.5	-2.2	4,488	4,271	4,314	4,552	-1.4
Paper and allied products . . . . .	6,722	6,794	6,723	-1.1	+1.1	-1.6	6,918	6,957	6,844	7,398	-6.5
Chemicals and allied products . . . . .	19,737	19,749	19,909	-0.1	-0.8	+0.1	20,144	20,205	20,378	19,829	+1.6
Petroleum and coal products . . . . .	5,880	5,940	5,915	-1.0	+0.4	-1.3	5,889	5,819	5,800	5,638	+4.5
Rubber and plastics products . . . . .	7,900	7,857	7,814	+0.5	+0.6	+0.7	8,192	8,214	8,118	7,624	+7.5
Apparel, printing and publishing . . . . .											
and leather goods . . . . .	12,393	12,334	12,366	+0.5	-0.3	+0.8	12,545	12,119	11,998	12,523	+0.2

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

See note at end of table 2 relating to survey error and revision.



**Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**  
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio <sup>1</sup>			
	Apr. 1997 <sup>p</sup>	Mar. 1997 <sup>r</sup>	Feb. 1997	Jan. 1997	Apr. 1997 <sup>p</sup>	Mar. 1997 <sup>r</sup>	Feb. 1997	Jan. 1997
All manufacturing industries . . . . .	1.37	1.38	1.37	1.38	2.86	2.89	2.92	2.98
Durable goods industries . . . . .	1.60	1.60	1.61	1.63	3.40	3.44	3.50	3.57
Stone, clay, and glass products . . . . .	1.13	1.15	1.14	1.18	0.95	0.95	0.93	0.99
Primary metals . . . . .	1.51	1.54	1.53	1.54	1.98	1.98	1.96	1.97
Fabricated metal products . . . . .	1.46	1.49	1.47	1.48	1.43	1.45	1.43	1.44
Industrial machinery and equipment . . . . .	1.76	1.76	1.80	1.80	2.36	2.37	2.41	2.40
Electronic and other electrical equipment . . . . .	1.45	1.38	1.43	1.52	1.76	1.74	1.83	1.87
Transportation equipment . . . . .	1.76	1.78	1.77	1.75	11.61	12.16	12.47	12.78
Instruments and related products . . . . .	1.90	1.91	1.91	1.99	3.65	3.68	3.66	3.76
Nondurable goods industries . . . . .	1.10	1.11	1.10	1.09	0.70	0.70	0.68	0.70
Food and kindred products . . . . .	0.84	0.85	0.85	0.84	(X)	(X)	(X)	(X)
Tobacco products . . . . .	2.06	1.99	2.05	1.96	(X)	(X)	(X)	(X)
Textile mill products . . . . .	1.50	1.50	1.49	1.51	(NA)	(NA)	(NA)	(NA)
Paper and allied products . . . . .	1.21	1.25	1.22	1.23	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products . . . . .	1.22	1.24	1.23	1.23	(X)	(X)	(X)	(X)
Petroleum and coal products . . . . .	0.84	0.85	0.81	0.80	(X)	(X)	(X)	(X)
Rubber and plastics products . . . . .	1.28	1.32	1.30	1.31	(X)	(X)	(X)	(X)

<sup>p</sup> Preliminary. <sup>r</sup> Revised. (X) Not applicable. (NA) Not available.

<sup>1</sup> Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

**Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES**  
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Apr. <sup>1</sup> 1997	Apr. <sup>2</sup> 1992-1996	Apr. 1996-Mar. 1997	Apr. <sup>1</sup> 1997	Apr. <sup>2</sup> 1992-1996	Apr. 1996-Mar. 1997	Apr. <sup>1</sup> 1997	Apr. <sup>2</sup> 1992-1996	Apr. 1996-Mar. 1997	Apr. <sup>1</sup> 1997	Apr. <sup>2</sup> 1992-1996	Apr. 1996-Mar. 1997
All manufacturing industries . . . . .	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.0	0.1	(X)	0.0	0.0
Durable goods industries . . . . .	0.1	0.2	0.2	-0.1	0.4	0.3	0.0	0.0	0.1	(X)	0.1	0.1
Stone, clay, and glass products . . . . .	(X)	1.0	0.5	(X)	1.8	0.8	(X)	0.9	0.7	(X)	0.2	0.1
Primary metals . . . . .	0.0	0.4	0.3	0.1	1.8	0.8	0.1	0.5	0.4	(X)	0.3	0.0
Fabricated metal products . . . . .	(X)	0.3	0.3	(X)	0.2	0.6	(X)	0.1	0.3	(X)	0.1	0.1
Industrial machinery and equipment . . . . .	0.0	0.4	0.4	0.5	0.6	0.5	0.1	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment . . . . .	-0.1	0.3	0.5	-0.4	0.6	0.8	-0.1	0.1	0.4	(X)	0.1	0.2
Transportation equipment . . . . .	-0.3	0.3	0.4	-1.1	0.4	1.1	-0.1	0.1	0.2	(X)	0.1	0.1
Instruments and related products . . . . .	(X)	0.3	0.4	(X)	1.0	1.0	(X)	0.2	0.2	(X)	0.1	0.2
Nondurable goods industries . . . . .	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.3	0.2	(X)	0.1	0.1
Food and kindred products . . . . .	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products . . . . .	(X)	0.6	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.0
Textile mill products . . . . .	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
Paper and allied products . . . . .	(X)	0.1	0.1	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.0	0.1
Chemicals and allied products . . . . .	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products . . . . .	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.4
Rubber and plastics products . . . . .	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Capital goods industries :												
Nondefense . . . . .	-0.2	0.3	0.3	-0.7	0.5	0.6	-0.1	0.0	0.1	(X)	0.1	0.1
Defense . . . . .	-0.3	0.4	0.6	-0.2	2.8	4.6	0.0	0.1	0.3	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

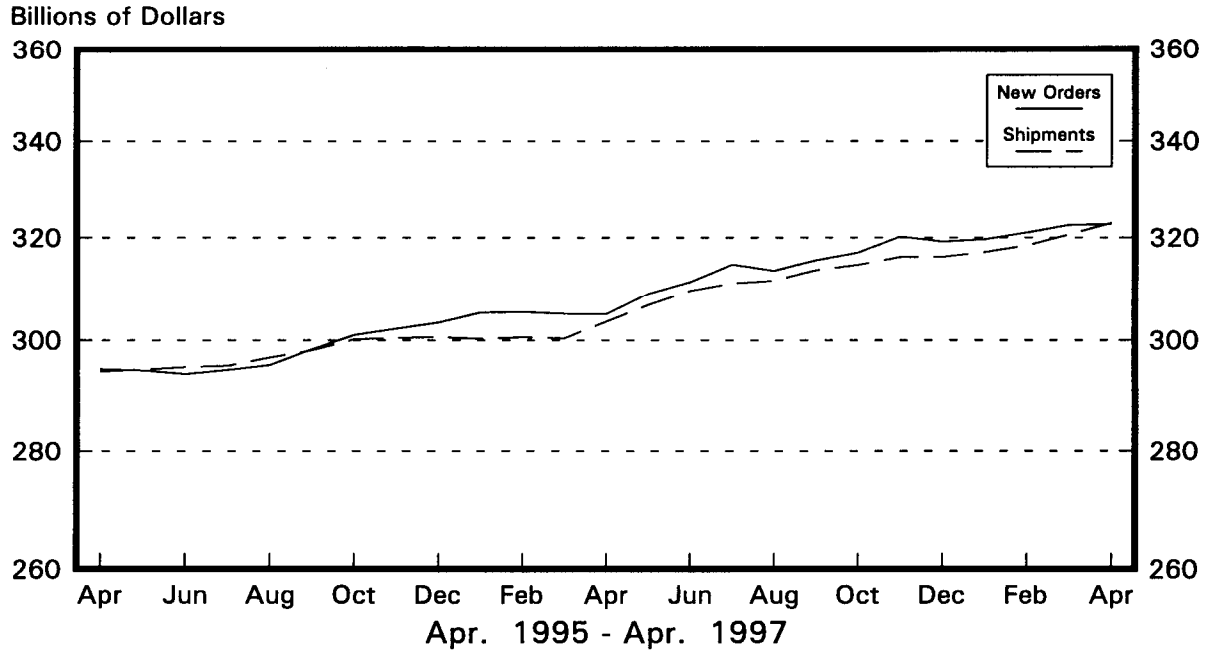
<sup>1</sup> The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

<sup>2</sup> Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

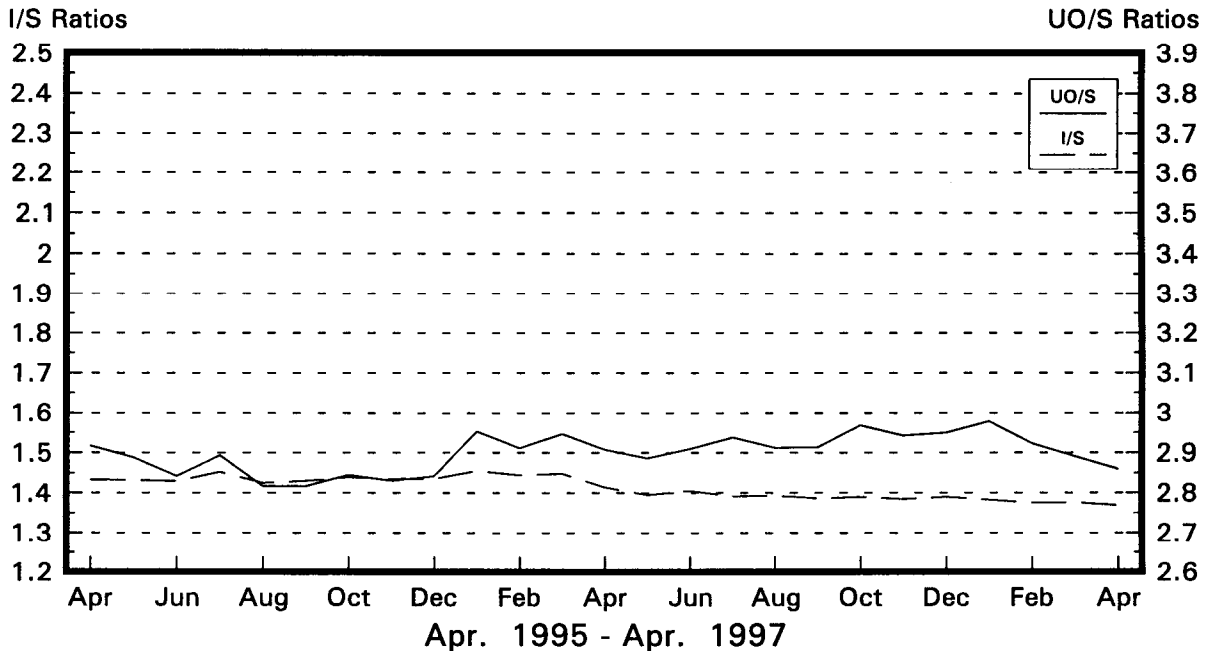
## Total Manufacturing

New Orders and Shipments  
Three Month Moving Averages



## Total Manufacturing

Ratio of Unfilled Orders and  
Inventories to Shipments



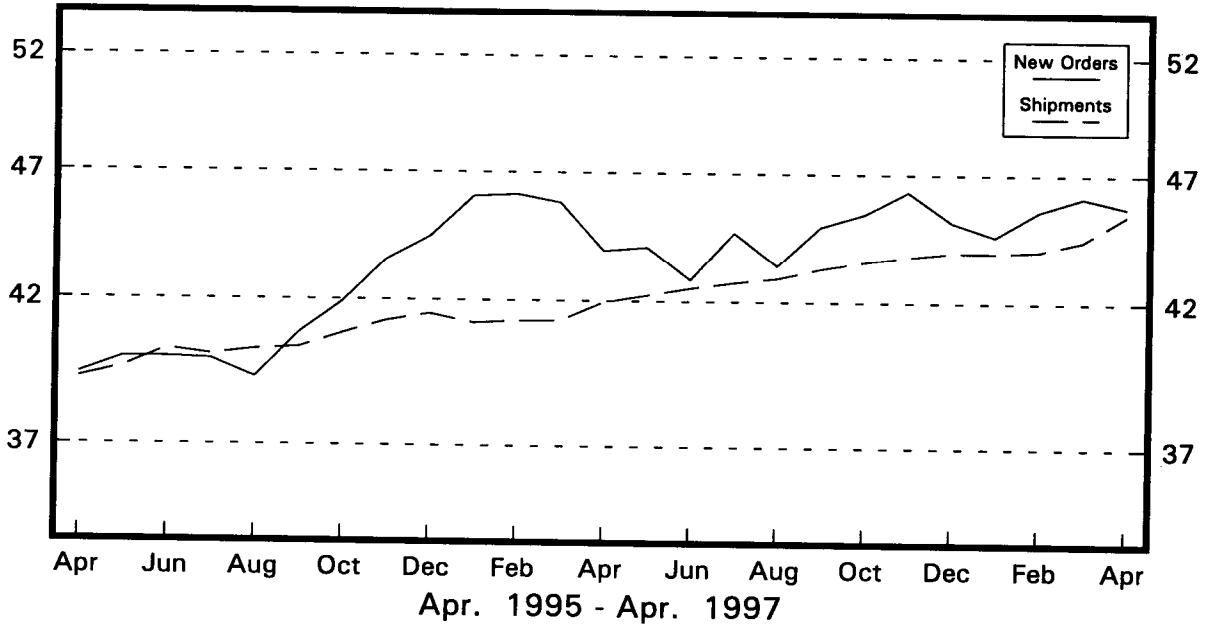
Note: All Charts based on seasonally adjusted current dollars.

# Nondefense Capital Goods

11

New Orders and Shipments  
Three Month Moving Averages

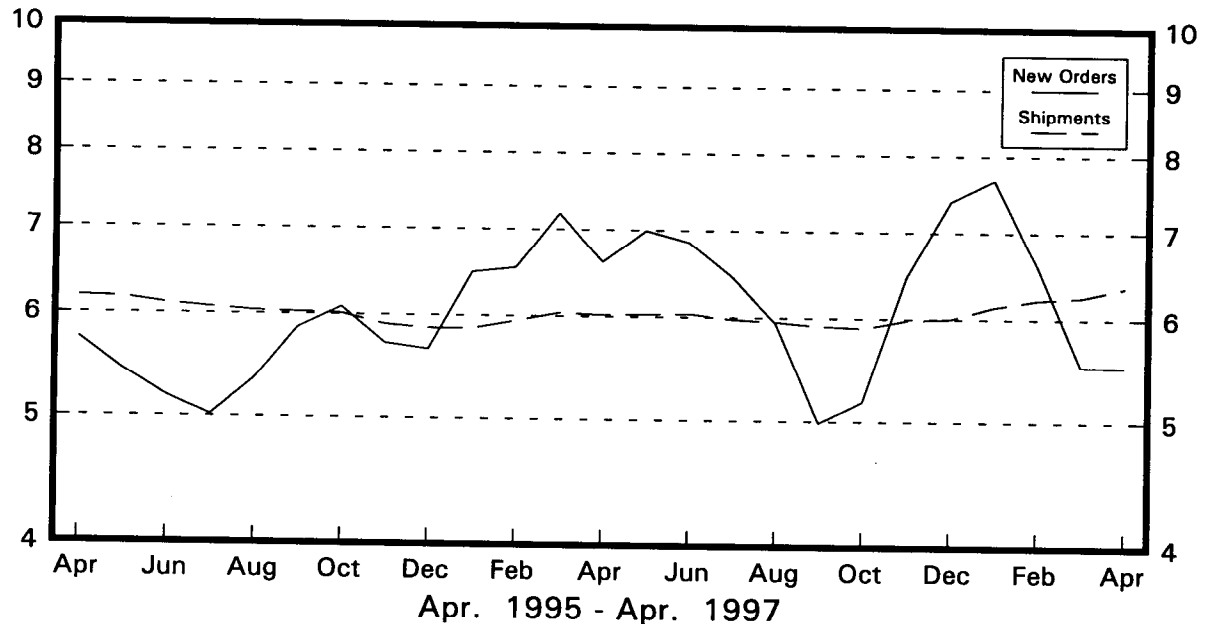
Billions of Dollars



# Defense Capital Goods

New Orders and Shipments  
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.